

BOMB IMPACT ASSESSMENT USING FORWARD LOOKING INFRARED SENSOR

ABSTRACT OF THE DISCLOSURE

An apparatus combining an optical sensor and a bomb impact assessment system, and
5 corresponding method for facilitating bomb impact assessment, comprising means for receiving an
optical signal, means for splitting off a portion of the optical signal from a primary optical path to form a
secondary optical path, a lens in the secondary optical path, the lens comprising a plurality of facets
generating a plurality of tertiary optical paths, means for combining signals from the primary and one or
more of the tertiary optical paths, means for detecting the combined signals, and means for projecting
10 onto a focal plane array bomb impact assessment data comprising detected signals from one or more of
the tertiary optical paths.